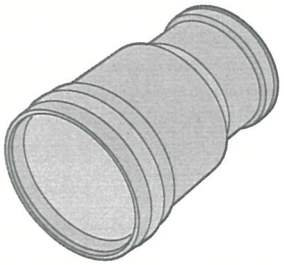
Panasonic

Tele Conversion Lens
DMW-LTZ10E



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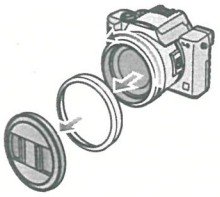

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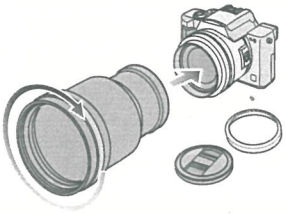

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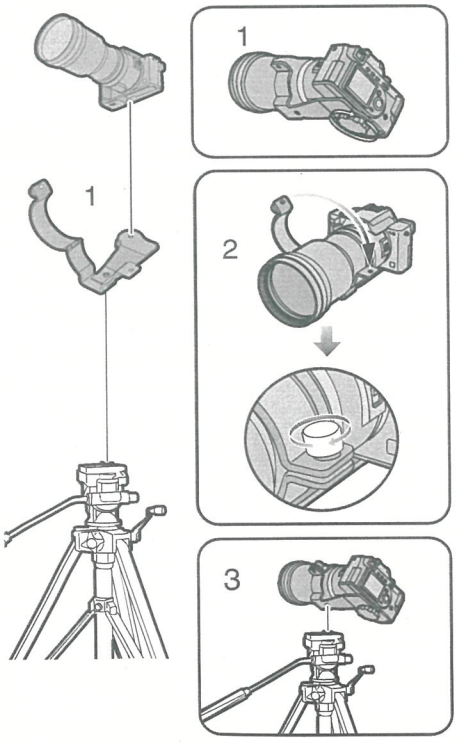

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Features Ⓐ

This Tele Conversion Lens can be used only with a Panasonic Digital camera. It is possible to take pictures with 1.5 times zoom in usual recording.
(Compatible model in January 2004: DMC-FZ10)

1. **Usual recording.**
2. **Recording with the Tele Conversion Lens.**

■ How to Attach the Tele Conversion Lens Ⓑ

Preparation:

- Turn the camera off so that the lens and the flash are retracted.

1. **Detach the lens cap and then remove the lens ring.**
2. **Rotate the Tele Conversion Lens to attach the camera.**
3. **Turn the camera on, and select [CONVERSION] from the recording menu.**
4. **Set it to [TELE].**

- The zoom operation is restricted within the available range of the Tele Conversion Lens.
- When using the Tele Conversion Lens with setting the [CONVERSION] to [OFF], 4 corners of the image may become dark depending on the zoom position.
- For details, read the operating instructions of the Digital Camera.

■ When Using A Tripod Ⓒ

- Be sure to check the following procedures and attach the Tripod Adaptor.

1. **Attach the Tripod Adaptor to the tripod receptacle on the camera.**
2. **Tighten the screw to secure the Tripod Adaptor and the Tele Conversion Lens.**
   - Make sure that the screw is firmly tightened.
3. **Attach the camera to the tripod.**

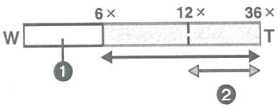
■ The Focus Range When Using the Tele Conversion Lens

(The table shows the focus range when DMC-FZ10 is used)

When Using the tele conversion Lens:	
Normal	4.6 m ∞
Macro	4.6 m ∞

When using the tele conversion lens:			
Indicated Maginification	6 ×	12 ×	36 ×
Actual Magnificaton	9 ×	18 ×	54 ×
Focal Distance (35-mm camera equivalent)	315 mm	630 mm	1890 mm

❶ Unusable
❷ Digital Zoom



- The focus range is 1.5 times of the focal distance of the camera.
- When using the Tele Conversion Lens, the zoom range is restricted within the range more than 6 times. You can use the digital zoom.

Cautions for Use

- Be careful not to drop the lens or cause any kind of high impact to the lens.
- You cannot attach the lens hood or the filter to the Tele Conversion Lens.
- Before attaching the Tele Conversion Lens.
  - Check that the lens cap is removed first and then attach the Tele Conversion Lens to the camera.
  - Use a blower brush to remove fine dust from the surface of the lens.
- When attaching the Tele Conversion Lens,
  - When attaching a tripod, use the Tripod Adaptor to prevent jitter (camera shake) and protect the camera.
  - Tighten the screw firmly to attach the Tele Conversion Lens to the camera. If the screw is loosened and the Tele Conversion Lens is dropped while in use or transport, it may be damaged.
  - Do not tighten the Tele Conversion Lens too much. It may not be detached from the camera.
- When attaching or detaching the Tele Conversion Lens,
  - Take care not to touch or stain the surface of the lens because fingerprints easily adhere to the surface of the lens.
  - When the surface of the lens becomes dirty, use a blower brush to remove the fine dust, and then wipe it off with a dry and soft cloth.
  - Do not use benzine, thinner or alcohol for cleaning the lens. The Tele Conversion Lens may be discolored or damaged.
- When using DMC-FZ10 with the Tele Conversion Lens,
  - You cannot use the built-in flash. Use the external flash (optional, DMW-FL28).
  - The stabilizer function may not work effectively.
  - Affected by jitter (camera shake), the focus indication may appear on the screen though the subject is not clearly focused.
  - It may take time longer than usual to focus on the subject.
- After use, remove dust from the lens and attach the front and back lens caps, put it in the Storage Bag, and then store it in a place with low humidity.
- When using the Tele Conversion Lens compatible with models other than DMC-FZ10, be sure to read the operating instructions of the Digital Camera.

Specifications

Dimensions: Max. Diameter: 92 mm, Total length: 133 mm
Weight: Approx. 640 g (Without Storage Bag)
Accessories: Lens Cap (front/back),Tripod Adaptor,Storage Bag